

The embodiments of the invention in which an exclusive property or privilege is claimed are defined as follows:

1. A method of creating a decomposable visual component in a visual networking operating system, the method comprising:
providing a library of visual component templates;
instantiating the decomposable visual component from said library; and
configuring the decomposable visual component while said decomposable visual component is operating.
2. The method of Claim 1, wherein configuring said decomposable visual component comprises setting a script to affect the behavior of the decomposable visual component.
3. The method of Claim 1, wherein configuring said decomposable visual component comprises adding an image to said visual component.
4. The method of Claim 1, wherein configuring said decomposable visual component comprises changing at least one parameter of the decomposable visual component.
5. The method of Claim 1, wherein configuring said decomposable visual component comprises changing a style of decomposable visual component.
6. The method of Claim 1, further comprising creating an alias of the decomposable visual component.
7. The method of Claim 1 further comprising creating a clone of the decomposable visual component.
8. The method of Claim 1, wherein multiple decomposable visual components are instantiated and configured to form a complex decomposable visual component.

9. The method of Claim 1, wherein the decomposable visual component is recursively decomposable.

10. The method of Claim 1, further comprising connecting the decomposable visual component with a second decomposable visual component while said second decomposable visual component is operating.

11. The method of Claim 10, wherein a change in a value of the decomposable visual component is reflected in a value of the second decomposable visual component.

12. The method of Claim 11, wherein a change in a third decomposable visual component associated with said first value is reflected in a fourth decomposable visual component associated with said second value.

13. The method of Claim 12, wherein the decomposable visual component comprises a plurality of decomposable visual components, including said third decomposable visual component.

14. The method of Claim 12, wherein the decomposable visual component comprises a plurality of decomposable visual component; and said third decomposable visual component is an alias of one of said plurality of decomposable visual components.

15. The method of Claim 10, wherein said second decomposable visual component represents a non-visual component.

16. The method of Claim 15, wherein said non-visual component is a non-computing device.

17. The method of Claim 15, wherein said non-visual component is a computing device.

18. The method of Claim 15, wherein said non-visual component comprises computer executed instructions.

19. The method of Claim 18, wherein said non-visual component interfaces with said second decomposable visual component through the standard in and standard out access prints.

20. A method for controlling a target decomposable visual component within a visual networking operating system, the method comprising:

depicting a control decomposable visual component;

enabling a user to modify said control decomposable visual component so as to generate a change in a first value;

communicating the change in said first value to the target decomposable visual component;

the target decomposable visual component detecting the change in said first value and effectuating a change in a second value; and

said change in said second value effectuating a change in the target decomposable visual component.

21. The method of Claim 20, wherein said target decomposable visual component is associated with a target device.

22. The method of Claim 21, wherein said target device is coupled with said target decomposable visual component so that a change in one effectuates a change in the other.

23. The method of Claim 22, wherein said target device is a non-competing device.

24. The method of Claim 22, wherein said target device is a non-computing device.

25. The method of Claim 22, wherein said target device is an application executing on a computing device.

26. The method of Claim 22, further comprising connecting said control decomposable visual component with a second decomposable visual component to form a combined decomposable visual component.

27. The method of Claim 20, wherein said control decomposable visual component comprises multiple constituent decomposable visual components.

28. The method of Claim 27, further comprising decomposing said control decomposable visual component; selecting a first constituent decomposable visual component; and configuring said first constituent decomposable visual component.

29. The method of Claim 28, wherein configuring said first constituent decomposable visual component comprises setting a script to affect the behavior of said first constituent decomposable visual component.

30. The method of Claim 28, wherein configuring said first constituent decomposable visual component comprises changing at least one parameter of said first constituent decomposable visual component.

31. The method of Claim 28, wherein configuring said first constituent decomposable visual component comprises changing a style of said first constituent decomposable visual component.

32. The method of Claim 28, connecting said first constituent decomposable visual component to a third decomposable visual component.

33. The method of Claim 25, wherein the target decomposable visual component communicates with said application via a standard in and a standard out interface.

34. The method of Claim 20, wherein said control decomposable visual component and the target decomposable visual component are on separate computing devices.

35. The method of Claim 34 wherein communicating further comprises sending packet information between said control decomposable visual component and the target decomposable visual component.

36. The method of Claim 35, wherein communicating further comprises communicating over an internetwork.

37. A computer readable medium containing computer executable instructions for performing any of the methods at Claims 1-19.

38. A computer readable medium containing computer executable instructions for performing any of the methods at Claims 20-36.

39. A computer apparatus, within a computing network, the apparatus operative to execute instructions for performing any of the methods of Claims 1-19.

40. A computer apparatus, within a computing network, the apparatus operative to execute instructions for performing any of the methods of Claims 20-36.